

ABSTRACT

A polyolefin-based resin composition of the invention has an addition polymerization-based block copolymer (I) and a polyolefin-based resin (II).

The addition polymerization-based block copolymer (I) is selected from block copolymers comprising at least one polymer block A and at least one polymer block B, and the hydrogenated products thereof; the polymer block A essentially comprises an aromatic vinyl compound unit containing at least 1% by mass of an alkylstyrene-derived structural unit (a) in which at least one alkyl group having 1 to 8 carbon atoms is bound to a benzene ring; the polymer block B essentially comprises a conjugated diene compound unit; at least the moiety of polymer block A can undergo crosslinking upon exposure to an active energy ray; and after molded into a desired shape, the composition is exposed to an active energy ray to carry out the crosslinking reaction. The polyolefin-based resin composition exhibits flexibility, heat resistance, mechanical properties and solvent resistance in a well-balanced manner and, thus, can find effective application in a wide variety of products, including wire coatings, coatings of various cables, tubes, films such as food-wrapping films and fiber-wrapping films, processed paper, pipes, sheets, stationeries, food containers, and daily

commodities.